Center for Commercialization of Advanced Technology

Partnering to Accelerate Innovation

5250 Campanile Dr. San Diego, CA 92182
P 619.594.5766 F 619.594.5774

CCAT is

Partnering to Accelerate Innovation

A government funded non-profit public/private partnership dedicated to fast tracking commercialization.

CCAT Executive Board

Partnering to Accelerate Innovation

SPAWAR System Center – SD

- Mrs. Aleta Wallace

SDSU

- Mr. Tim Hushen
  SDSU Foundation
- Dr. Sanford Ehrlich
  SDSU Entrepreneurial Management Center
- Dr.Alex De Noble (Alt.)
  SDSU Entrepreneurial Management Center
- Mr. Barry Janov (Alt.)
  SDSU Foundation

UCSD

- Dr. Abi Barrow
  UCSD Jacobs School of Engineering
- Dr. Fred Cutler
  UCSD Connect
- Mr. Corey Buuhoan (Alt.)
  UCSD Connect

LM ORINCON Technologies

- Mr. Lou Kelly (Chair)
- Mr. Tom Byrne
- Mr. Art Garner (Alt.)

Focus Areas Meet DoD, DHS and Regional Needs

Partnering to Accelerate Innovation

Spin-in Strategy

- **Homeland Security and Crisis/Consequence Management**
  - Border security
  - Port security
  - First Responder needs
  - Critical infrastructure protection
  - Bio-terrorism defense
  - Information network security
  - Transportation security
- **Critical Navy Technology Needs**
  - Information, electronics, surveillance
  - Ocean, atmosphere and space sciences
  - Engineering, materials and physical sciences
  - Human systems
  - Weapons and aircraft (strike) technologies

Spin-out of Government Technologies

- Seek out dual-use technologies
- Analyze market potential
- Partner with licensees
- Transition technology to commercial company
- Bring to marketplace

CCAT Services

Partnering to Accelerate Innovation

- Spin-in
  - Market validation studies
    - Key acquisition agencies ID
    - Key primes ID
    - Key technical requirements
  - Product development support
    - CCAT grants
    - Government R&D ID
  - Market analysis studies
    - Product definition
    - Marketing strategy
    - Strategic partnership ID
  - Pursuit of private equity
- Spin-out
  - Identification of key government technologies
  - Market validation studies
    - Key markets ID
    - Key licensee ID
  - Market analysis
    - Market size competition
    - Product definition
    - License related data
  - License/cooperative contract executed
    - Funding for government scientists
    - Use of government facilities
    - Product development funded

Homeland Security Investments

Partnering to Accelerate Innovation

- **Bio Agent Defense**
  - Bio agent detection and diagnostic kits
  - Building and personnel biological decontamination solutions
  - Vaccine for plague
  - Post exposure treatment for Anthrax toxins
- **Chemical Agent Defense**
  - Wireless sensor for chemical agent detection
  - Chemical agent non-toxic decontamination
- **Explosives Detection**
  - Portable neutron sensor system for explosive detection in luggage
  - Portable x-ray chromatography for explosive detectors in luggage
- **Information Technology**
  - Network centric collaborative software
  - Digital televiewer capability to provide 360° surveillance for multiple users
  - Improved airport portal weapon detection system providing weapon location
  - Improved face recognition systems using optical processing
  - Networked sensors using satellite communications for surveillance of remote border regions

DoD Investments

Partnering to Accelerate Innovation

- High performance real-time video processing for surveillance and target recognition
- Compact high performance laser transmitter for secure data lines
- Natural language processing software which enables cross language search for key information
- Network centric collaborative software
- Digital televiewer capability to provide 360° surveillance for multiple users
- Eye surveillance technology which senses operator cognitive load during complex operations and enables improved effectiveness of defense systems

CCAT Summary
August 2001 to Present

Partnering to Accelerate Innovation

- Received 3 years of funding totaling $17.2M
- Conducted 8 solicitations
- Received and evaluated 377 proposals
- Performed 44 market studies/business plans in support of CCAT clients
- Issued 31 grants for development of CCAT client products
- Currently working with 66 awardees or clients
- Added a new partner in California State University, San Bernardino
- Becoming a nationally recognized program with many applications coming from outside San Diego regions